



## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application No.	10/830,210
		Filing Date	April 21, 2004
		First Named Inventor	Mark S. Knighton
		Art Unit	2622
		Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	18	Attorney Docket Number	4956P017

### ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input checked="" type="checkbox"/> Information Disclosure Statement <input checked="" type="checkbox"/> PTO/SB/08  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; height: 40px; width: 100%;"></div>
<div style="border: 1px solid black; height: 40px; width: 100%;"></div>		
Remarks		

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Thomas M. Coester, Reg. No. 39,637  BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	September 28, 2004

### CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Typed or printed name	Susan M. Barrette		
Signature		Date	September 28, 2004

Based on PTO/SB/21 (04-04) as modified by Blakely, Sokoloff, Taylor & Zafman (wir) 06/04/2004.  
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



# FEE TRANSMITTAL for FY 2004

Effective 01/01/2004. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27.

**TOTAL AMOUNT OF PAYMENT** **( \$ )**

*Complete if Known*

Application Number	10/830,210
Filing Date	April 21, 2004
First Named Inventor	Mark S. Knighton
Examiner Name	Not Yet Assigned
Art Unit	2622
Attorney Docket No.	4956P017

## METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None  
 Deposit Account

Deposit Account Number **02-2666**

Deposit Account Name **Blakely, Sokoloff, Taylor & Zafman LLP**

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) or underpayment of fees as required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		FeePaid
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1001	770	2001	385	Utility filing fee
1002	340	2002	170	Design filing fee
1003	530	2003	265	Plant filing fee
1004	770	2004	385	Reissue filing fee
1005	160	2005	80	Provisional filing fee
SUBTOTAL (1)		(\$)		

### 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	FeePaid
<input type="checkbox"/>	20 <sup>**</sup>	= <input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	3	= <input type="checkbox"/>	<input type="checkbox"/>

Multiple Dependent

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple Dependent claim, if not paid
1204	86	2204	43	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$)		

<sup>\*\*</sup>or number previously paid, if greater. For Reissues, see below

## 3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	FeePaid
Fee Code	Fee (\$)	Fee Code	Fee (\$)
1051	130	2051	65 Surcharge - late filing fee or oath
1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet.
2053	130	2053	130 Non-English specification
1812	2,520	1812	2,520 For filing a request for ex parte reexamination
1804	920 *	1804	920 * Requesting publication of SIR prior to Examiner action
1805	1,840 *	1805	1,840 * Requesting publication of SIR after Examiner action
1251	110	2251	55 Extension for reply within first month
1252	420	2252	210 Extension for reply within second month
1253	950	2253	475 Extension for reply within third month
1254	1,480	2254	740 Extension for reply within fourth month
1255	2,010	2255	1,005 Extension for reply within fifth month
1404	330	2401	165 Notice of Appeal
1402	330	2402	165 Filing a brief in support of an appeal
1403	290	2403	145 Request for oral hearing
1451	1,510	2451	1,510 Petition to institute a public use proceeding
1452	110	2452	55 Petition to revive - unavoidable
1453	1,330	2453	665 Petition to revive - unintentional
1501	1,330	2501	665 Utility issue fee (or reissue)
1502	480	2502	240 Design issue fee
1503	640	2503	320 Plant issue fee
1460	130	2460	130 Petitions to the Commissioner
1807	50	1807	50 Processing fee under 37 CFR 1.17(q)
1806	180	1806	180 Submission of Information Disclosure Stmt
8021	40	8021	40 Recording each patent assignment per property (times number of properties)
1809	770	1809	385 Filing a submission after final rejection (37 CFR § 1.129(a))
1810	770	2810	385 For each additional invention to be examined (37 CFR § 1.129(b))
1801	770	2801	385 Request for Continued Examination (RCE)
1802	900	1802	900 Request for expedited examination of a design application
Other fee (specify)			
SUBTOTAL (3)		(\$)	

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) **( \$ )**

Complete (if applicable)

Name (Print/Type)	Thomas M. Coester	Registration No. (Attorney/Agent)	39,637	Telephone	(310) 207-3800
Signature	<i>Thomas Coester</i>			Date	09/28/04



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

MARK S. KNIGHTON, ET AL.

Application No.: 10/830,210

Filed: April 21, 2004

For: **HAND HELD PORTABLE THREE  
DIMENSIONAL SCANNER**

Art Group: 2622

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

In accordance with the duty of disclosure, enclosed is a copy of IDS Citation Form PTO/SB/08 or PTO-1449, together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed for applications filed after June 30, 2003). This IDS and IDS Citation Form are being submitted before the mailing of a first Office Action. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

It is hereby stated that no item of information contained in the Information Disclosure Statement was cited in a patent office in a counterpart application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual associated with the filing or prosecution of the subject application more than three months prior to the filing of the Information Disclosure Statement.

The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

BLAKELY, BOSTON, MASS.  
*Thomas Coates*

Thomas M. Coester, Reg. No. 39,637

Date: September 28, 2004

12400 Wilshire Boulevard, 7th Floor  
Los Angeles, CA 90025  
Telephone: (310) 207-3800

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Susan M. Barrette

09-28-04

Date



<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(use as many sheets as necessary)</i></p>				<p><b>Complete if Known</b></p>	
Sheet	1	of	12	Application Number	107830,210
				Filing Date	April 21, 2004
				First Named Inventor	Mark S. Knighton
				Art Unit	2622
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	4956P017

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date or Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US-2002/0060669	05-23-2002	Sze	
		US-2003/0063775	04-03-2003	Rafii et al.	
		US-4,532,605	07-30-1985	Waller	
		US-5,125,043	06-23-1992	Karlsson	
		US-5,153,728	10-06-1992	Nakayama, et al.	
		US-5,453,784	09-26-1995	Krishnan, et al.	
		US-5,559,334	09-24-1996	Gupta, et al.	
		US-5,659,804	08-19-1997	Keller	
		US-5,907,640	05-25-1999	Bruno	
		US-6,037,584	03-14-2000	Johnson, et al.	
		US-6,078,701	06-20-2000	Hsu, et al.	
		US-6,111,582	08-29-2000	Jenkins	
		US-6,157,747	12-05-2000	Szeliski et al.	
		US-6,192,393	02-20-2001	Tarantino, et al.	
		US-6,233,014	05-15-2001	Ochi, et al.	
		US-6,535,250	03-18-2003	Okisu, et al.	
		US-			

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003

Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p><i>(use as many sheets as necessary)</i></p>				<p><i>Complete if Known</i></p>	
Sheet	2	of	12	Application Number	10/830,210
				Filing Date	April 21, 2004
				First Named Inventor	Mark S. Knighton
				Art Unit	2622
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	4956P017

## NON-PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered
-----------------------	--	--------------------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Applicant's unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08B (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003.  
Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

The PTO did not receive the following listed item(s) References marked as asterisk "\*

<p>Substitute for form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE</b></p> <p><b>STATEMENT BY APPLICANT</b></p> <p><i>(use as many sheets as necessary)</i></p>				<p><b>Complete if Known</b></p>	
Sheet	3	of	12	Application Number	10/830,210
				Filing Date	April 21, 2004
				First Named Inventor	Mark S. Knighton
				Art Unit	2622
				Examiner Name	Not Yet Assigned
				Attorney Docket Number	4956P017

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.*

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Based on PTO/SB/08A (08-03) as modified by Blakely, Solokoff, Taylor & Zafman (wlr) 08/11/2003

Send To: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE</b> <b>STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>				Application Number	10/830,210
				Filing Date	April 21, 2004
				First Named Inventor	Mark S. Knighton
				Art Unit	2622
				Examiner Name .	Not Yet Assigned
				Attorney Docket Number	4956P017
Sheet	4	of	12		

Examiner Signature		Date Considered
-----------------------	--	--------------------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR

Please type a plus sign (+) inside this box

3

FTO/SB/08A (08-00)

Approved for use through 10/31/2002 OMB06-51-0031

Approved for use through 10/31/2002 GMB0851-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.</p> <p><b>Substitute for Form 1449A/PTO</b></p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>				Complete if Known	
		Application Number	10/830,210		
		Filing Date	April 21, 2004		
		First Named Inventor	Mark S. Knighton, et al.		
		Group Art Unit	2622		
		Examiner Name	Not Assigned		
Sheet	5	of	12	Attorney Docket Number	004956.P017

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box ↴

1

FTO/SB/08A (08-00)

Approved for use through 10/31/2002 OMB0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>				Complete if Known			
				Application Number		10/830,210	
				Filing Date		April 21, 2004	
				First Named Inventor		Mark S. Knighton, et al.	
				Group Art Unit		2622	
				Examiner Name		Not Assigned	
Sheet	6	of	12	Attorney Docket Number	004956.P017		

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box

FTO/SB/0&A (05-00)

Approved for use through 10/31/2002 OMB0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for Form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>				Complete if Known		
				Application Number	10/830,210	
				Filing Date	April 21, 2004	
				First Named Inventor	Mark S. Knighton, et al.	
				Group Art Unit	2622	
				Examiner Name	Not Assigned	
Sheet	7	of	12	Attorney Docket Number	004956.P017	

**U.S. PATENT DOCUMENTS**

Exam. Initials		Document Number	Date	Name	Class	Sub-class	Filing Date (if appropriate)
	AA	5,864,640	01/26/99	J.L. Miramonit, et al.	G06K	7/00	
	AB	5,870,220	02/09/99	A. Migdal, et al.	G02B	26/08	
	AC	5,880,846	03/09/99	Erez Hasman, et al.	G01B	11/24	
	AD	5,907,359	05/25/99	Tohru Watanabe	H04N	3/14	
	AE	5,910,845	06/08/99	Thomas M. Brown	G01B	11/24	
	AF	5,944,598	08/31/99	Alan K.W. Tong, et	A22C	18/00	
	AG	5,988,862	11/23/99	Ben Kacyra, et al.	G06F	17/50	
	AH	5,995,650	11/30/99	A.A. Migdal, et al.	G06K	9/00	
	AI	5,999,641	12/07/99	D.B. Miller, et al.	G06K	9/00	
	AJ	6,137,896	10/24/00	Chang, et al.	G06K	9/00	
	AK	6,016,487	01/18/00	Rioux, et al.	G06F	17/30	

**FOREIGN PATENT DOCUMENTS**

Exam. Initials		Document Number	Date	Country	Class	Sub-class	Translation Yes	Translation No
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							

**OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)**

Exam. Initials		Document Identification
	AR	
	AS	
	AT	

Examiner: \_\_\_\_\_ Date Considered: \_\_\_\_\_

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

Please type a plus sign (+) inside this box:

PTO/SB/08A (06-00)

Approved for use through 10/31/2002 OMB0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for Form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>				Complete if Known		
				Application Number	10/830,210	
				Filing Date	April 21, 2004	
				First Named Inventor	Mark S. Knighton, et al.	
				Group Art Unit	2622	
Examiner Name	Not Assigned					
Sheet	8	of	12	Attorney Docket Number	004956.P017	

**U.S. PATENT DOCUMENTS**

Exam. Initials		Document Number	Date	Name	Class	Sub-class	Filing Date (if appropriate)
	AA	5,636,025	06/03/1997	L.H. Bieman, et al.	G01B	11/24	
	AB	5,646,733	07/08/1997	Leonard H. Bieman	G01B	11/24	
	AC	5,661,667	08/26/1997	Kurt D. Rueb, et al.	G01B	11/00	
	AD	5,678,546	10/21/1997	Michael Truppe	A61B	5/05	
	AE	5,689,446	11/18/1997	Arjen Sundman, et	G06K	9/00	
	AF	5,704,897	01/06/1998	Michael J. Truppe	A61B	1/04	
	AG	4,737,032	04/12/1988	D.A. Addleman, et al.	G01B	11/24	
	AH	5,747,822	05/05/1998	Michael J. Sinclair, et	G01B	11/00	
	AI	5,771,310	06/23/1998	William M. Vannah	G06K	9/00	
	AJ	5,794,356	08/18/1998	Simon Raab	G01B	7/03	
	AK	5,805,289	09/08/1998	N.R. Corby, Jr., et al.	G01B	11/24	

**FOREIGN PATENT DOCUMENTS**

Exam. Initials		Document Number	Date	Country	Class	Sub-class	Translation Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							

**OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)**

Exam. Initials		Document Identification
	AR	
	AS	
	AT	

Examiner: \_\_\_\_\_ Date Considered: \_\_\_\_\_

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

Please type a plus sign (+) inside this box  X

PTO/SB/06A (08-00)

Approved for use through 10/31/2002 OMB#051-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				Complete if Known			
Sheet	9	of	12	Application Number	10/830,210		
				Filing Date	April 21, 2004		
				First Named Inventor	Mark S. Knighton, et al.		
				Group Art Unit	2622		
				Examiner Name	Not Assigned		
				Attorney Docket Number	004956.P017		

**U.S. PATENT DOCUMENTS**

Exam. Initials		Document Number	Date	Name	Class	Sub-class	Filing Date (if appropriate)
	AA	5,708,498	01/13/98	Rioux, et al.	G01B	11/24	
	AB	5,946,645	08/31/99	Rioux, et al.	G06T	17/00	
	AC	5,701,173	12/23/97	Rioux	G01B	11/24	
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

**FOREIGN PATENT DOCUMENTS**

Exam. Initials		Document Number	Date	Country	Class	Sub-class	Translation Yes No
	AL						
	AM						
	AN						
	AO						
	AP						
	AQ						

**OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)**

Exam. Initials		Document Identification
	AR	
	AS	
	AT	

Examiner: \_\_\_\_\_ Date Considered: \_\_\_\_\_

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

Please type a plus sign (+) inside this box

PTO/SB/08A (06-00)

Approved for use through 10/31/2002 OMB0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for Form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)</p>				Complete if Known		
				Application Number	10/830,210	
				Filing Date	April 21, 2004	
				First Named Inventor	Mark S. Knighton, et al.	
				Group Art Unit	2622	
Examiner Name	Not Assigned					
Sheet	10	of	12	Attorney Docket Number	004956.P017	

**U.S. PATENT DOCUMENTS**

Exam. Initials		Document Number	Date	Name	Class	Sub-class	Filing Date (if appropriate)
	AA	5,335,317	08/02/94	J. Yamashita, et al.	G06F	15/72	
	AB	5,337,149	08/09/94	Ghazzan F. Kozah, et	G01B	11/24	
	AC	5,377,011	12/27/94	Stephen K. Koch	G01B	11/24	
	AD	5,414,647	05/09/95	S.E. Ebenstein, et al.	G01C	25/00	
	AE	5,432,622	07/11/95	G.E. Johnson, et al.	H04N	1/04	
	AF	5,471,303	11/28/95	Chiayu Ai, et al.	G01B	11/02	
	AG	5,531,520	07/02/96	W.E.L. Grimson, et al.	G06K	9/00	
	AH	5,592,563	01/07/97	Dov Zahavi	G06K	9/40	
	AI	5,611,147	03/18/97	Simon Raab	G01B	7/03	
	AJ	5,617,645	04/08/97	W.R.W. Wick, et al.	G01B	11/24	
	AK	5,627,771	05/06/97	Toshikazu Makino	G01B	5/008	

**FOREIGN PATENT DOCUMENTS**

Exam. Initials		Document Number	Date	Country	Class	Sub-class	Translation Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							

**OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)**

Exam. Initials		Document Identification
	AR	
	AS	
	AT	

Examiner: \_\_\_\_\_ Date Considered: \_\_\_\_\_

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

Please type a plus sign (+) inside this box

PTO/SB/08A (08-00)

Approved for use through 10/31/2002 OMB0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for Form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>				Complete if Known			
				Application Number		10/830,210	
				Filing Date		April 21, 2004	
				First Named Inventor		Mark S. Knighton, et al.	
				Group Art Unit		2622	
				Examiner Name		Not Assigned	
Sheet	11	of	12	Attorney Docket Number			
004956.P017							

**U.S. PATENT DOCUMENTS**

Exam. Initials		Document Number	Date	Name	Class	Sub-class	Filing Date (if appropriate)
	AA	5,131,844	07/21/92	P.J. Marinaccio, et al.	A61C	19/04	
	AB	5,132,839	07/21/92	Adrian R.L. Travis	G02B	27/22	
	AC	5,135,309	08/04/92	Michael Kuchel, et al.	G01B	9/00	
	AD	5,175,601	12/29/92	John M. Fitts, et al.	G01B	11/24	
	AE	5,216,817	06/08/93	K.W. Misevich, et al.	A61B	5/103	
	AF	5,218,427	06/08/93	Stephen K. Koch	G01B	11/24	
	AG	5,231,470	07/27/93	Stephen K. Koch	G01B	11/04	
	AH	5,285,397	02/08/94	Helmut Heier, et al.	G01B	11/03	
	AI	5,289,264	02/22/94	Hans Steinbichler	G01B	11/24	
	AJ	5,307,292	04/26/94	C.A. Brown, et al.	G01B	21/20	
	AK	5,315,512	05/24/94	James A. Roth	G06F	15/42	

**FOREIGN PATENT DOCUMENTS**

Exam. Initials		Document Number	Date	Country	Class	Sub-class	Translation Yes	Translation No
	AL							
	AM							
	AN							
	AO							
	AP							
	AQ							

**OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)**

Exam. Initials		Document Identification
*	AR	www.geometrixinc.com/mainwin.html, "Who says you can't build Rome in a day?", 4 pages
	AS	
	AT	

Examiner: \_\_\_\_\_ Date Considered: \_\_\_\_\_

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication

Please type a plus sign (+) inside this box

FTO/SB/08A (08-00)

Approved for use through 10/31/2002 OMB0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for Form 1449A/PTO</p> <p><b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b></p> <p>(use as many sheets as necessary)</p>				Complete if Known			
				Application Number		10/830,210	
				Filing Date		April 21, 2004	
				First Named Inventor		Mark S. Knighton, et al.	
				Group Art Unit		2622	
				Examiner Name		Not Assigned	
Sheet	12	of	12	Attorney Docket Number			
				004956.P017			

**U.S. PATENT DOCUMENTS**

Exam. Initials		Document Number	Date	Name	Class	Sub-class	Filing Date (if appropriate)
	AA	3,636,250	01/18/1972	Andrew V. Haeff	H04N	9/56	
	AB	4,089,608	05/16/1978	H.W. Hoadley	G01B	9/00	
	AC	4,564,295	01/14/1986	Maurice Halioua	G01B	11/24	
	AD	4,590,608	05/20/1986	Pi-Fuay Chen, et al.	G06K	9/52	
	AE	4,641,972	02/10/1987	Maurice Halioua, et	G01B	11/24	
	AF	4,657,394	04/14/1987	Maurice Halioua	G01B	11/24	
	AG	4,705,401	11/10/1987	D.A. Addleman, et al.	G01B	11/24	
	AH	4,724,525	02/09/1988	Brian G. Purcell, et al.	G01B	11/24	
	AI	4,802,759	02/07/1989	Goro Matsumoto, et	G01B	11/24	
	AJ	4,846,577	07/11/1989	John R. Grindon	G01B	11/24	
	AK	5,067,817	11/26/1991	Paul Glenn	G01B	11/24	

**FOREIGN PATENT DOCUMENTS**

Exam. Initials		Document Number	Date	Country	Class	Sub-class	Translation Yes	No
	AL	DE4134546 A1	08/04/1993	Germany	G01B	11/03		X
	AM							
	AN							
	AO							
	AP							
	AQ							

**OTHER ART (Including Title, Author, Date, Pertinent Pages, etc.)**

Exam. Initials		Document Identification
*	AR	www.pointcloud.com/pages/Home.html, "Point Cloud," 5 pages
*	AS	www.inharmonytech.com/venus3d.index.html, "Introducing Venus 3D," 4 pages
*	AT	deskeng.com/3dd.htm, "Desktop Engineering, The Complete Computing Resource for Engineers," 1977 Helmers Publishing, Inc., 1 page

Examiner: \_\_\_\_\_ Date Considered: \_\_\_\_\_

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication